

Invitation to Bid

LSUHSC-SHREVEPORT



BIDS WILL BE PUBLICLY OPENED:

May 14, 2010

02:00 PM

VENDOR NO. :
SOLICITATION : **005509**
OPENING DATE : **05/14/2010**

Return Bid in Envelope/Labels Provided to:
Purchasing Department
PO Box 33932
Shreveport LA 71130

BUYER : Britton, Kaye
BUYER PHONE : 318/675-5293
DATE ISSUED : 04/22/2010
REQ. NO : 0044469
FISCAL YEAR : 2010

CriticalCare Ventilator System

INSTRUCTIONS TO BIDDERS

1. READ THE ENTIRE BID, INCLUDING ALL TERMS AND CONDITIONS AND SPECIFICATIONS.
2. FILL IN ALL BLANK SPACES.
3. ALL BID PRICES MUST BE TYPED OR WRITTEN IN INK. ANY CORRECTIONS, ERASURES OR OTHER FORMS OF ALTERATION TO UNIT PRICES SHOULD BE INITIALIZED BY THE BIDDER.
4. BID PRICES SHALL INCLUDE DELIVERY OF ALL ITEMS F.O.B. DESTINATION OR AS OTHERWISE PROVIDED. BIDS CONTAINING "PAYMENT IN ADVANCE" OR "C.O.D." REQUIREMENTS MAY BE REJECTED. PAYMENT IS TO BE MADE WITHIN 30 DAYS AFTER RECEIPT OF PROPERLY EXECUTED INVOICE OR DELIVERY, WHICHEVER IS LATER.
5. SPECIFY YOUR PAYMENT TERMS: _____ . CASH DISCOUNTS FOR LESS THAN 30 DAYS OR LESS THAN 1% WILL BE ACCEPTED, BUT WILL NOT BE CONSIDERED IN DETERMINING AWARDS

BY SIGNING THIS BID, THE BIDDER CERTIFIES:

- * THAT NEITHER THIS BUSINESS ENTITY NOR ANY OF ITS EMPLOYEES OR SUBCONTRACTORS IS CURRENTLY LISTED AS EXCLUDED OR SANCTIONED BY EITHER THE DEPARTMENT OF HEALTH AND HUMAN SERVICES, OFFICE OF INSPECTOR GENERAL (OIG) OR THE GENERAL SERVICES ADMINISTRATION (GSA).
- * THAT IF THIS BUSINESS ENTITY OR ANY OF ITS EMPLOYEES OR SUBCONTRACTORS APPEAR ON EITHER LISTING, MY BID WILL BE REJECTED.
- * THAT IF AT ANY TIME DURING THE TERM OF THE CONTRACT AWARDED AS A RESULT OF THIS INVITATION TO BID, THIS ENTITY OR ANY OF ITS EMPLOYEES OR SUBCONTRACTORS APPEARS ON EITHER LISTING, MY COMPANY WILL NOTIFY THE CONTRACTING AGENCY, AND THE CONTRACT WILL BE TERMINATED. THE CONTRACTING AGENCY WILL NOT BE LIABLE FOR ANY DAMAGES RESULTING FROM SAID TERMINATION.

THE BIDDER FURTHER CERTIFIES:

- * COMPLIANCE WITH ALL INSTRUCTIONS TO BIDDERS, TERMS, CONDITIONS, AND SPECIFICATIONS.
- * THIS BID IS MADE WITHOUT COLLUSION OR FRAUD.
- * THAT ALL TAXES DULY ASSESSED BY THE STATE OF LOUISIANA AND IT'S SUBDIVISIONS, INCLUDING FRANCHISE TAXES, PRIVILEGE TAXES, SALES TAXES AND ALL OTHER TAXES FOR WHICH THE FIRM IS LIABLE HAVE BEEN PAID.
- * THAT IF MY BID IS ACCEPTED WITHIN _____ DAYS FROM BID CLOSING TIME, MY FIRM WILL FURNISH ANY OR ALL OF THE ITEMS (OR SECTIONS) AT THE PRICE OPPOSITE EACH ITEM (OR SECTION).
- * DELIVERY WILL BE MADE WITHIN _____ DAYS AFTER RECEIPT OF ORDER.

VENDOR PHONE NUMBER:

TITLE

DATE

FAX NUMBER:

SIGNATURE OF AUTHORIZED BIDDER
(MUST BE SIGNED)

NAME OF BIDDER
(TYPED OR PRINTED)

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<p>6. DESIRED DELIVERY: 10 DAYS ARO, UNLESS SPECIFIED ELSEWHERE</p> <p>7. TO ASSURE CONSIDERATION, ALL BIDS SHOULD BE SUBMITTED IN THE SPECIAL ENVELOPE, OR USE BID LABEL IF FURNISHED FOR THAT PURPOSE. IN THE EVENT YOUR BID CONTAINS BULKY SUBJECT MATERIAL, THE SPECIAL BID ENVELOPE SHOULD BE FIRMLY AFFIXED TO THE MAILING ENVELOPE.</p> <p>8. BIDS SUBMITTED ARE SUBJECT TO PROVISIONS OF THE LAWS OF THE STATE OF LOUISIANA INCLUDING BUT NOT LIMITED TO L.R.S. 39:1551-1736; PURCHASING RULES AND REGULATIONS; EXECUTIVE ORDERS; STANDARD TERMS AND CONDITIONS; SPECIAL CONDITIONS; AND SPECIFICATIONS LISTED IN THIS SOLICITATION.</p> <p>9. IMPORTANT: THIS BID IS TO BE MANUALLY SIGNED IN INK BY A PERSON AUTHORIZED TO BIND THE VENDOR (SEE NO.31).</p> <p>10. INQUIRIES: ADDRESS ALL INQUIRIES AND CORRESPONDENCE TO THE BUYER AT THE PHONE NUMBER AND ADDRESS SHOWN ABOVE.</p> <p>11. BID FORMS: ALL WRITTEN BIDS, UNLESS OTHERWISE PROVIDED FOR, SHOULD BE SUBMITTED ON, AND IN ACCORDANCE WITH FORMS PROVIDED, PROPERLY SIGNED (SEE #31). BIDS MUST BE RECEIVED AT THE ADDRESS SPECIFIED IN THE SOLICITATION PRIOR TO BID OPENING TIME IN ORDER TO BE CONSIDERED.</p> <p>12. STANDARDS OR QUALITY. ANY PRODUCT OR SERVICE BID SHALL CONFORM TO ALL APPLICABLE FEDERAL AND STATE LAWS AND REGULATIONS AND THE SPECIFICATIONS CONTAINED IN THE SOLICITATION. UNLESS OTHERWISE SPECIFIED IN THE SOLICITATION, ANY MANUFACTURER'S NAME, TRADE NAME, BRAND NAME, OR CATALOG NUMBER USED IN THE SPECIFICATION IS FOR THE PURPOSE OF DESCRIBING THE STANDARD OF QUALITY, PERFORMANCE, AND CHARACTERISTICS DESIRED AND IS NOT INTENDED TO LIMIT OR RESTRICT COMPETITION. BIDDER MUST SPECIFY THE BRAND AND MODEL NUMBER OF THE PRODUCT OFFERED IN HIS/HER BID. BIDS NOT SPECIFYING BRAND AND MODEL NUMBER SHALL BE CONSIDERED AS OFFERING THE EXACT PRODUCTS SPECIFIED IN THE SOLICITATION.</p> <p>13. DESCRIPTIVE INFORMATION. BIDDERS PROPOSING AN EQUIVALENT BRAND OR MODEL SHOULD SUBMIT WITH THE BID, INFORMATION (SUCH AS ILLUSTRATIONS, DESCRIPTIVE LITERATURE, TECHNICAL DATA) SUFFICIENT FOR LSUHSC TO EVALUATE QUALITY, SUITABILITY, AND COMPLIANCE WITH THE SPECIFICATIONS IN THE SOLICITATION. FAILURE TO SUBMIT DESCRIPTIVE INFORMATION MAY CAUSE BID TO BE REJECTED. ANY CHANGE MADE TO A MANUFACTURER'S PUBLISHED SPECIFICATION SUBMITTED FOR A PRODUCT SHALL BE VERIFIABLE BY THE MANUFACTURER. IF ITEM(S) BID DO NOT FULLY COMPLY WITH SPECIFICATIONS (INCLUDING BRAND AND/OR PRODUCT NUMBER), BIDDER MUST STATE IN WHAT RESPECT ITEMS(S) DEVIATE. FAILURE TO NOTE EXCEPTIONS ON THE BID FORM WILL NOT RELIEVE THE SUCCESSFUL BIDDER(S) FROM SUPPLYING THE ACTUAL PRODUCTS REQUESTED.</p> <p>14. BID OPENING. BIDDERS MAY ATTEND THE BID OPENING, BUT NO INFORMATION OR OPINIONS CONCERNING THE ULTIMATE CONTRACT AWARD WILL BE GIVEN AT THE BID OPENING OR DURING THE EVALUATION PROCESS. BIDS MAY BE EXAMINED WITHIN 72 HOURS AFTER BID OPENING. INFORMATION PERTAINING TO COMPLETED FILES MAY BE SECURED BY VISITING LSUHSC DURING NORMAL WORKING HOURS. WRITTEN BID TABULATIONS WILL NOT BE FURNISHED.</p> <p>15. AWARDS. AWARD WILL BE MADE TO THE LOWEST RESPONSIBLE AND RESPONSIVE BIDDER. LSUHSC RESERVES THE RIGHT TO AWARD ITEMS SEPARATELY, GROUP, OR IN TOTAL, AND TO REJECT ANY OR ALL BIDS AND WAIVE ANY INFORMALITIES.</p> <p>16. PRICES. UNLESS OTHERWISE SPECIFIED BY LSUHSC IN THE SOLICITATION, BID PRICES MUST BE COMPLETE, INCLUDING TRANSPORTATION PREPAID BY BIDDER TO DESTINATION AND FIRM FOR ACCEPTANCE FOR A MINIMUM OF 30 DAYS. IF ACCEPTED, PRICES MUST BE FIRM FOR THE CONTRACTUAL PERIOD. BIDS OTHER THAN F.O.B. DESTINATION MAY BE REJECTED. PRICES SHOULD BE QUOTED IN THE UNIT (EACH,</p>	

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<p>BOX, CASE, ETC.) AS SPECIFIED IN THE SOLICITATION.</p> <p>17.DELIVERIES. BIDS MAY BE REJECTED IF THE DELIVERY TIME INDICATED IS LONGER THAN THAT SPECIFIED IN THE SOLICITATION.</p> <p>18.TAXES. VENDOR IS RESPONSIBLE FOR INCLUDING ALL APPLICABLE TAXES IN THE BID PRICE. LSUHSC AGENCIES ARE EXEMPT FROM ALL STATE AND LOCAL SALES AND USE TAXES.</p> <p>19.NEW PRODUCTS. UNLESS SPECIFICALLY CALLED FOR IN THE SOLICITATION, ALL PRODUCTS FOR PURCHASE MUST BE NEW, NEVER PREVIOUSLY USED, AND THE CURRENT MODEL AND/OR PACKAGING. NO REMANUFACTURED, DEMONSTRATOR, USED OR IRREGULAR PRODUCT WILL BE CONSIDERED FOR PURCHASE UNLESS OTHERWISE SPECIFIED IN THE SOLICITATION. THE MANUFACTURER'S STANDARD WARRANTY WILL APPLY UNLESS OTHERWISE SPECIFIED IN THE SOLICITATION.</p> <p>20.CONTRACT CANCELLATION. THE STATE OF LOUISIANA HAS THE RIGHT TO CANCEL ANY CONTRACT, IN ACCORDANCE WITH PURCHASING RULES AND REGULATIONS, FOR CAUSE INCLUDING BUT NOT LIMITED TO THE FOLLOWING: (1) FAILURE TO DELIVER WITHIN THE TIME SPECIFIED IN THE CONTRACT; (2) FAILURE OF THE PRODUCT OR SERVICE TO MEET SPECIFICATIONS, CONFORM TO SAMPLE QUALITY OR TO BE DELIVERED IN GOOD CONDITION; (3) MISREPRESENTATION BY THE CONTRACTOR; (4) FRAUD, COLLUSION CONSPIRACY OR OTHER UNLAWFUL MEANS OF OBTAINING ANY CONTRACT WITH THE STATE; (5) CONFLICT OF CONTRACT PROVISIONS WITH CONSTITUTIONAL OR STATUTORY PROVISIONS OF STATE OR FEDERAL LAW; (6) ANY OTHER BREACH OF CONTRACT.</p> <p>21.DEFAULT OF CONTRACT. FAILURE TO DELIVER WITHIN THE TIME SPECIFIED IN THE BID WILL CONSTITUTE A DEFAULT AND MAY CAUSE CANCELLATION OF THE CONTRACT. WHERE THE UNIVERSITY HAS DETERMINED THE CONTRACTOR TO BE IN DEFAULT, THE UNIVERSITY RESERVES THE RIGHT TO PURCHASE AN OR ALL PRODUCTS OR SERVICES COVERED BY THE CONTRACT ON THE OPEN MARKET AND TO CHARGE THE CONTRACTOR WITH COST IN EXCESS OF THE CONTRACT PRICE. UNTIL SUCH ASSESSED CHARGES HAVE BEEN PAID, NO SUBSEQUENT BID FROM THE DEFAULTING CONTRACTOR WILL BE CONSIDERED.</p> <p>22.ORDER OF PRIORITY. IN THE EVENT THERE IS A CONFLICT BETWEEN THE INSTRUCTIONS TO BIDDERS OR STANDARD CONDITIONS AND THE SPEICAL CONDITIONS, THE SPECIAL CONDITIONS SHALL GOVERN.</p> <p>23.APPLICABLE LAW. ALL CONTRACTS SHALL BE CONSTRUED IN ACCORDANCE WITH AND GOVERNED BY THE LAWS OF THE STATE OF LOUISIANA.</p> <p>24.EQUAL OPPORTUNITY. BY SUBMITTING AND SIGNING THIS BID, BIDDER AGREES THAT HE/SHE WILL NOT DISCRIMINATE IN THE RENDERING OF SERVICES TO AND/OR EMPLOYMENT OF INDIVIDUALS BECAUSE OF RACE, COLOR, RELIGION, SEX, AGE, NATIONAL ORIGIN, HANDICAP, DISABILITY, VETERAN STATUS, OR A OTHER NON-MERIT FACTOR.</p> <p>25.SPECIAL ACCOMMODATIONS. ANY "QUALIFIED INDIVIDUAL WITH DISABILITY" AS DEFINED BY THE AMERICANS WITH DISABILITIES ACT WHO HAS SUBMITTED A BID AND DESIRES TO ATTEND THE BID OPENING, MUST NOTIFY THIS OFFICE IN WRITING NOT LATER THAN SEVEN DAYS PRIOR TO THE BID OPENING DATE OF THEIR NEED FOR SPECIAL ACCOMMODATIONS. IF THE REQUEST CANNOT BE REASONABLY PROVIDED, THE INDIVIDUAL WILL BE INFORMED PRIOR TO THE BID OPENING.</p> <p>26.IDEMNITY. CONTRACTOR AGREES, UPON RECEIPT OF WRITTEN NOTICE OF A CLAIM OR ACTION, TO DEFEND THE CLAIM OR ACTION, OR TAKE OTHER APPROPRIATE MEASURE, TO IDEMNIFY, AND HOLD HARMLESS, LSUHSC, ITS OFFICERS, ITS AGENTS AND ITS EMPLOYEES FROM AND AGAINST ALL CLAIMS AND ACTIONS FOR BODILY INJURY, DEATH OR PROPERTY DAMAGES CAUSED BY THE FAULT OF THE CONTRACTOR,</p>	

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BIDDER:

OFFICERS, ITS AGENTS, OR ITS EMPLOYEES. CONTRACTOR IS OBLIGATED TO INDEMNIFY ONLY TO THE EXTENT OF THE FAULT OF THE CONTRACTOR, ITS OFFICERS, ITS AGENTS, OR ITS EMPLOYEES. HOWEVER, THE CONTRACTOR SHALL HAVE NO OBLIGATION AS SET FORTH ABOVE WITH RESPECT TO ANY CLAIM OR ACTION FROM BODILY INJURY, DEATH OR PROPERTY DAMAGES ARISING OUT OF THE FAULT OF THE UNIVERSITY, ITS OFFICERS, ITS AGENTS OR ITS EMPLOYEES.

27. INTERPRETATION OF DOCUMENT: ANY INTERPRETATION OF THE BID OR QUOTATION DOCUMENT WILL ONLY BE MADE BY AN ADDENDUM ISSUED IN WRITING BY THE PURCHASING DEPARTMENT. SUCH ADDENDUM WILL BE MAILED OR DELIVERED TO EACH PERSON RECEIVING A SET OF THE ORIGINAL BID OR QUOTATION DOCUMENTS. LSUHSC WILL NOT BE RESPONSIBLE FOR ANY OTHER EXPLANATION OR INTERPRETATION OF THE DOCUMENTS.

28. ACCEPTANCE OF BID: ONLY THE ISSUANCE OF A PURCHASE ORDER OR A SIGNED CONTRACT CONSTITUTES ACCEPTANCE ON THE PART OF LSUHSC.

29. ADHERENCE TO JCAHO STANDARDS: WHERE APPLICABLE, LSUHSC IS ACCREDITED BY THE JOINT COMMISSION ON ACCREDITATION OF HEALTHCARE ORGANIZATIONS AND AS SUCH ALL CONTRACTORS, SUBCONTRACTORS, AND VENDORS AGREE TO ADHERE TO THE APPLICABLE STANDARDS PROMULGATED BY THE COMMISSION.

30. PREFERENCE: IN ACCORDANCE WITH LOUISIANA REVISED STATUTES 39:1595, A PREFERENCE MAY BE ALLOWED FOR PRODUCTS MANUFACTURED, PRODUCED, GROWN, OR ASSEMBLED IN LOUISIANA OF EQUAL QUALITY. DO YOU CLAIM THIS PREFERENCE? YES _____ NO _____

SPECIFY THE LINE NUMBER (S) _____

SPECIFY LOCATION WITHIN LOUISIANA WHERE THIS PRODUCT IS MANUFACTURED, PRODUCED, GROWN OR ASSEMBLED _____

(NOTE: IF MORE SPACE IS REQUIRED, INCLUDE ON SEPARATE SHEET.)

DO YOU HAVE A LOUISIANA BUSINESS WORK FORCE? YES _____ NO _____

IF SO, DO YOU CERTIFY THAT AT LEAST FIFTY PERCENT (50%) OF YOUR LOUISIANA WORKFORCE IS COMPRISED OF LOUISIANA RESIDENTS?

YES _____ NO _____

FAILURE TO SPECIFY ABOVE INFORMATION MAY CAUSE ELIMINATION FROM PREFERENCES.

PREFERENCES SHALL NOT APPLY TO SERVICE CONTRACTS.

31. SIGNATURE AUTHORITY. IN ACCORDANCE WITH L.R.S. 39:1594 (ACT 121), THE PERSON SIGNING THE BID MUST BE:

31.1. A CURRENT CORPORATE OFFICER, PARTNERSHIP MEMBER OR OTHER INDIVIDUAL SPECIFICALLY AUTHORIZED TO SUBMIT A BID AS REFLECTED IN THE APPROPRIATE RECORDS ON FILE WITH THE SECRETARY OF STATE; OR

31.2. AN INDIVIDUAL AUTHORIZED TO BIND THE VENDOR AS REFLECTED BY AN ACCOMPANYING CORPORATE RESOLUTION, CERTIFICATE OR AFFIDAVIT; OR

31.3. AN INDIVIDUAL LISTED ON THE STATE OF LOUISIANA BIDDER'S APPLICATION AS AUTHORIZED TO EXECUTE BIDS. BY SIGNING THE BID, THE BIDDER CERTIFIES COMPLIANCE WITH THE ABOVE.

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<p>This bid is to be effective one(1) year from date of award. At the option of the Medical Center and acceptance by the vendor, this bid can be renewed for two (2) additional twelve (12) month periods at the same prices and terms.</p> <p>All prices are to be firm for the contractual period, but wherever there is a general reduction in price which is lower than the contract price, said reduction must be presented directly to the Medical Center.</p> <p>Approximate quantities as set forth are estimated usages only and the successful bidder must supply at bid prices actual requirements as ordered whether the total of such requirements is more or less than the quantities shown. No specific quantities are guaranteed. Only those quantities required will be ordered.</p> <p>This bid shall also cover the needs of the LSUHSC in Monroe, E.A. Conway Hospital if deemed necessary by the University. E.A. Conway estimated quantities are not known, but pricing awarded on this bid shall be effective for products ordered for both LSU Hospital in Shreveport and E.A. Conway Hospital in Mo</p>	

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UNLESS SPECIFIED ELSEWHERE SHIP TO: Receiving Department 3010 Linwood Avenue Shreveport LA 71130					
Line No.	Description			Unit Price	Extended Amount
1	"Critical Care Ventilator System and accessories" Complete Critical Care Ventilator System Specify brand, model bid(if applicable) <hr style="width: 30%; margin-left: 0;"/> <p>Complete Critical Care Ventilator System to include: Ventilator base unit with touch screen, Universal edition for infant through adult ranges with VC, VS, PC, PRVC, PS + CPAP, SIMV (VC)+PS, SIMV (PRVC) Automode, Open Lung Tool, Bivent mode, Noninvasive ventilation mode, ETCO2 software, 2 batteries, 2 expiratory cassettes, mobile cart with drawers, O2 hose, Air hose with air filter assembly, support arm, humidification holder assembly. See Attached for additional specifications.</p>	1.00	EA		
2	Trade-in value for Mallinckrodt PB840 Ventilator (with Bilevel mode, AC, SIMV, Tubing compensation) with purchase of line #1 Specify brand, model bid(if applicable) <hr style="width: 30%; margin-left: 0;"/>	1.00	EA		
3	Trade-in value for Bird VIP ventilator with purchase of line #1 Specify brand, model bid(if applicable) <hr style="width: 30%; margin-left: 0;"/>	1.00	EA		
4	Trade-in value for Bird VIP Gold Ventilator with the purchase of line #1 Specify brand, model bid(if applicable) <hr style="width: 30%; margin-left: 0;"/>	1.00	EA		
5	Trade-in value for Servo 300 ventilator with purchase of line #1	1.00	EA		

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UNLESS SPECIFIED ELSEWHERE SHIP TO: Receiving Department 3010 Linwood Avenue Shreveport LA 71130					
Line No.	Description			Unit Price	Extended Amount
	Specify brand, model bid(if applicable) _____				
6	Trade-in value for Servo 300A Ventilator with purchase of line #1 Specify brand, model bid(if applicable) _____	1.00	EA		
7	ETC02 Module Specify brand, model bid(if applicable) _____	1.00	EA		
8	ETC02 Sensor Specify brand, model bid(if applicable) _____	1.00	EA		
9	NCPAP Software Specify brand, model bid(if applicable) _____	1.00	EA		
10	Y-Sensor Module Specify brand, model bid(if applicable) _____	1.00	EA		
11	Y- Sensor Software Specify brand, model bid(if applicable) _____	1.00	EA		
12	Infant Y-Sensor Adapter Specify brand, model bid(if applicable) _____	1.00	CS		
13	Adult Y-Sensor Adapter Specify brand, model bid(if applicable) _____	1.00	CS		

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UNLESS SPECIFIED ELSEWHERE SHIP TO: Receiving Department 3010 Linwood Avenue Shreveport LA 71130					
Line No.	Description			Unit Price	Extended Amount
14	Heliox Software Specify brand, model bid(if applicable) <hr style="width: 30%; margin-left: 0;"/>	1.00	EA		
15	Heliox Adapter Kit for new ventilator Specify brand, model bid(if applicable) <hr style="width: 30%; margin-left: 0;"/>	1.00	EA		
16	NAVA Software Specify brand, model bid(if applicable) <hr style="width: 30%; margin-left: 0;"/>	1.00	EA		
17	NAVA Module Specify brand, model bid(if applicable) <hr style="width: 30%; margin-left: 0;"/>	1.00	EA		
18	NAVA Cable Specify brand, model bid(if applicable) <hr style="width: 30%; margin-left: 0;"/>	1.00	EA		
19	6 FR Edi Catheter Specify brand, model bid(if applicable) <hr style="width: 30%; margin-left: 0;"/>	1.00	CS		
20	8 FR Edi Catheter Specify brand, model bid(if applicable) <hr style="width: 30%; margin-left: 0;"/>	1.00	CS		
21	12 FR Edi Catheter Specify brand, model bid(if applicable) <hr style="width: 30%; margin-left: 0;"/>	1.00	CS		
22	16 FR Edi Catheter Specify brand, model bid(if applicable) <hr style="width: 30%; margin-left: 0;"/>	1.00	CS		

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UNLESS SPECIFIED ELSEWHERE SHIP TO: Receiving Department 3010 Linwood Avenue Shreveport LA 71130					
Line No.	Description			Unit Price	Extended Amount
23	Replacement expiratory cassette Specify brand, model bid(if applicable) <hr style="border: 0; border-top: 1px solid black; margin-top: 10px;"/>	1.00	EA	<hr style="border: 0; border-top: 1px solid black;"/>	<hr style="border: 0; border-top: 1px solid black;"/>
24	Replacement Oxygen Sensor Specify brand, model bid(if applicable) <hr style="border: 0; border-top: 1px solid black; margin-top: 10px;"/>	1.00	EA	<hr style="border: 0; border-top: 1px solid black;"/>	<hr style="border: 0; border-top: 1px solid black;"/>
25	Blue Test Tube Specify brand, model bid(if applicable) <hr style="border: 0; border-top: 1px solid black; margin-top: 10px;"/>	1.00	EA	<hr style="border: 0; border-top: 1px solid black;"/>	<hr style="border: 0; border-top: 1px solid black;"/>

Technical Specifications for Universal Critical Care Mechanical Ventilator

Product: Complete Critical Care Ventilator system to include; ventilator base unit with touch screen, universal edition for infant through adult ranges with VC, VS, PC, PRVC, PS+CPAP, SIMV(VC)+PS, SIMV(PC)+PS, SIMV(PRVC), Automode, Open Lung Tool, Bivent mode, Noninvasive ventilation mode, ETCO₂ software, 2 batteries, 2 expiratory cassettes, mobile cart with drawers, O₂ hose, air hose with air filter assembly, support arm, and humidification holder assembly. **NOTE; include extended life oxygen sensor**

Patient Range

- Adult (weight: 10-250Kg)
- Infant (weight: 0.5-30Kg)

Power Supply

- Power supply, automatic range selection
- 100-120V \pm 10%, 220-240V \pm 10%
- AC 50-60Hz
- Battery backup (must include 2 batteries with a minimum of 30 minutes backup time. Unit battery backup must be expandable to a capacity of at least 2 hours.
- External battery input 12 V DC
- Max Power consumption; At 110-120V; 2A, 190VA, 140W
- At 220-240V; 1A, 190VA, 140W

Patient Trigger

- Flow and pressure, user definable

Gas Supply

- Inlet gas pressure 29-94PSI. Connection must meet AGA requirements.
- Patient system gas connectors – Male 22mm and female 15mm in accordance with ISO 5356-1

User Interface

- Detachable panel that can be attached to mobile cart, a table, or railing.
- Interface must be able to be moved away from the main unit.

Inspiratory Channel

- Pressure drop Max 3 cmH₂O at a flow of 1 L/sec
- Internal compression factor Max 0.1 mL/cmH₂O
- Gas delivery system microprocessor controlled valves
- Gas delivery device
 - Flow Range; 0 – 3.3 L/sec
 - Max inaccuracy \pm 5% or 0.1mL/sec
 - Pressure setting; Max 80/120 cmH₂O (infant/adult)
 - Max inaccuracy \pm 5% or 1cmH₂O
- Oxygen concentration
 - Setting range; 21-100% Max inaccuracy \pm 3%

- Inspiratory minute volume
Setting range (adult); 0.5-60 L/min
Max inaccuracy $\pm 6\%$
Setting range (infant); 0.3-20 L/min
Max inaccuracy $\pm 6\%$
- Inspiratory tidal volume
Setting range (adult); 100-2000/4000mL
Max inaccuracy $\pm 7\%$
Setting range (infant); 5-350mL
Max inaccuracy $\pm 7\%$

Expiratory Channel

- Pressure drop Max 3cmH₂O at a flow of 1L/sec
- Internal compressible factor Max 0.1mL/cmH₂O
- PEEP regulation microprocessor controlled valve
PEEP setting range; 0-50cmH₂O
Max inaccuracy ± 1 cmH₂O
- Expiratory flow measurements
Flow range; 0-3.3L/sec
Rise time; < 12ms for 10-90% response at a flow of 0.05-3.2L/sec
Max inaccuracy $\pm 5\%$ or ± 2.5 mL/sec
- Monitoring (The following parameters must be measured within the tolerances listed)
 - Exp Minute Vol (adult); Range 0-60L/min
Inaccuracy $\pm 8\%$ or ± 0.15 L/min
 - Exp Minute Vol (infant); Range 0-20L/min
Inaccuracy $\pm 8\%$ or ± 0.15 L/min
 - Exp Tidal Vol (adult); Range 0-2000/4000mL
Inaccuracy $\pm 8\%$ or ± 2 mL
 - Exp Tidal Vol (infant); Range 0-350mL
Inaccuracy $\pm 8\%$ or ± 2 mL
 - O₂ concentration; Range 0-100%
Inaccuracy $\pm 5\%$ of read value
 - End Tidal CO₂ (measured with main stream technology) (**software only; hardware priced separately**)
 - ETCO₂ (mmHg or %)
 - Effective/ineffective tidal volume (mL)
 - Airway pressure; Range -40-160cmH₂O
Inaccuracy $\pm 5\%$ or ± 1 cmH₂O
 - Supply pressure; Range 0-7bar
Inaccuracy $\pm 5\%$ of read value

Alarms

- Airway pressure (upper) Adult; 16-120cmH₂O Infant; 16-90cmH₂O
- High continuous pressure Set PEEP level +15cmH₂O for more than 15sec
- O₂ concentration Set value ± 6 vol% or ≤ 18 vol%
- Exp Min Vol (upper alarm limit)
 - Adult; 0.5-60L/min
 - Infant; 0.1-30L/min
- Exp Min Vol (lower alarm limit)
 - Adult; 0.5-40L/min
 - Infant; 0.1-20L/min
- Apnea Adult; 15-45sec Infant; 5-15sec
- Gas supply Below 2.0kPa X 100 and over 6.5kPa X 100
- Respiratory frequency 1-160b/min
- Battery limited capacity 10min
- No Battery capacity < 3min
- Low end exp pressure 0-47cmH₂O

Auto set – ventilator must have ability to set default alarm parameters for the initial patient setup (alarm limits must be based on the following parameters.

- High airway pressure; Mean peak pressure +10cmH₂O or at least 35cmH₂O
- Upper minute volume; Exp minute volume + 50%
- Lower minute volume; Exp minute volume – 50%
- Upper resp frequency; Breathing frequency + 40%
- Lower resp frequency; Breathing frequency – 40%
- Low end exp pressure; Mean end exp pressure – 3cmH₂O

Ventilation Modes (system must provide the following modes of ventilation)

- Controlled Modes
 - PC; Pressure Control
 - VC; Volume Control
 - PRVC; Pressure Regulated Volume Control
- Supported Modes
 - VS; Volume Support
 - PS; Pressure Support
 - CPAP; Continuous Positive Airway Pressure
- Combined Ventilation
 - SIMV(VC)+PS; Synchronized Intermittent Mandatory Ventilation based on volume controlled ventilation with pressure support.
 - SIMV(PC)+PS; Synchronized Intermittent Mandatory Ventilation based on pressure controlled ventilation with pressure support.
 - SIMV(PRVC)+PS; Synchronized Intermittent Mandatory Ventilation based on pressure regulated volume controlled ventilation with pressure support.
- Automode
 - Control to support mode automatic switch after one spontaneous effort.
 - Control to Support Mode Pairs
 - VC / VS
 - PC / PS
 - PRVC / VS
 - Support to Control mode switch to occur after user defined apnea interval.
- BiVent (with listed parameter settings)
 - Phigh – Pressure High 0-80cmH₂O
 - PEEP – Positive End Expiratory Pressure 0-80cmH₂O
 - Thigh – Time at higher pressure 0.2-10sec
 - TPEEP – Time at lower pressure 0.2-10sec
 - PS above Phigh 0-120cmH₂O
 - PS above PEEP 0-120cmH₂O
- Noninvasive Ventilation (with listed parameters)
 - PS above PEEP 0-120cmH₂O
 - PEEP 0-80cmH₂O
 - Inspiratory Rise Time 0-0.4sec
- Optional NAVA mode; Neurally Adjusted Ventilatory Assist – Ventilation is adjusted based upon the neural signal of the diaphragm as measured via an esophageal catheter.

Patient Parameter Settings – For patient parameter settings, the ventilator must be capable of the ranges listed below. The range limit for each parameter must be based on the selected patient population.

Parameter	Setting Range	
	Infant	Adult
Tidal volume (mL)	5-350	100-4000
Minute volume (L/min)	0.3-20	0.5-60
Apnea time (sec)	5-15	15-45
Automode trigger timeout (sec)	3-7	7-12
Pressure level (cmH ₂ O)	0-80	0-120
PEEP (cmH ₂ O)	0-50	0-50
CMV frequency	4-150	4-150
SIMV frequency	1-40	1-40
Breath cycle time, SIMV (sec)	0.5-15	1-15
O ₂ concentration	21-100	21-100
I:E ratio	1:10-4:1	1:10-4:1
Tpause (% of cycle time)	0-30	0-30
Flow trigger sensitivity level (fraction of bias flow)	0-100%	0-100%
Pressure trigger sensitivity (cmH ₂ O)	-20 to 0	-20 to 0
Inspiratory rise time (% of breath cycle time)	0-20	0-20
Inspiratory rise time (sec)	0-0.2	0-0.4
Inspiratory cycle off (% of peak flow)	1-40	1-40
Weight (kg)	0.5-30	10-250

Additional Input Parameters

- Oxygen breaths 100% for 1 minute
- Start breath initiation of 1 breath in all modes
- Pause hold inspiratory and expiratory
- Alarms silence/reset 2 minute silence and reset of latched alarms

Trend Function (system must trend the following data for no less than a 24 hr interval)

- Peak airway pressure
- Mean airway pressure
- Pause airway pressure
- End Expiratory pressure
- End expiratory flow
- Inspired minute volume
- Expired minute volume
- Inspired tidal volume
- Expired tidal volume
- Spontaneous breaths per minute
- Breathing frequency
- Inspiratory resistance
- Expiratory resistance
- Dynamic characteristics
- Static compliance
- Elastance
- Work of breathing
- ETCO₂

Log Function (system must record the following events)

- Alarms
- Ventilator settings
- Apnea periods

- Immediate functions

Service Log (system must record the following service events)

- Technical alarms
- Test results
- Service report history
- Preventative maintenance

Communication/Interface

- Serial port RS-232C isolated. For data communication via the communication interface emulator.
- Data transfer capability using PCMCIA card with Unicode format.
- Data transfer to be compatible with Microsoft Excel 2000.

Cart

- Storage bins
- Adjustable display/interface panel
- Patient circuit support arm

Accessories

- 15ft oxygen hose
- 15ft air hose
- Air hose inlet filter

Vendor requirements

- Equipment setup and operation verification
- On site inservicing upon delivery (upon customer request)
- One year warranty, parts and labor (service to be performed on site)
- 1 service and 1 operators manual per unit
- 24hr telephone troubleshooting

Additional features

- Open Lung tool; a real time monitoring option that looks at changes in lung mechanics during the clinical application of a recruitment strategy.

NOTE: Ventilator is to include most recent software version and maximum speaker volume options.